

MUHAMMAD HAMMAD RAZA

BATCH# 10

ENROLLMENT: 512343

SMIT

MALIR CAMPUS, KARACHI

Program 01:

```
[1]
✓ 12s
r = float(input("Enter speed: "))
t = float(input("Enter time: "))
d = r * t
print("Distance:", format(d, ".2f"))

Enter speed: 42
Enter time: 12
Distance: 504.00
```

Program 02:

```
[2]
✓ 56s
P = float(input("Enter principal: "))
R = float(input("Enter annual rate (decimal): "))
T = float(input("Enter time in years: "))
I = P * R * T
print("Simple Interest:", format(I, ".2f"))

Enter principal: 1000
Enter annual rate (decimal): 100
Enter time in years: 10
Simple Interest: 1000000.00
```

Program 03:

```
[4]
✓ 10s
weight = float(input("Enter weight in kilograms: "))
height = float(input("Enter height in meters: "))
bmi = weight / (height * height)
print("BMI:", format(bmi, ".2f"))

... Enter weight in kilograms: 76
Enter height in meters: 1.74
BMI: 25.10
```

Program 04:

```
[5]
✓ 34s
import math
r = float(input("Enter radius: "))
A = math.pi * r * r
print("Area:", format(A, ".2f"))
```

Enter radius: 12
Area: 452.39

Program 05:

```
[6]
✓ 11s
F = float(input("Enter temperature in Fahrenheit: "))
C = (F - 32) * 5/9
print("Celsius:", format(C, ".2f"))
```

Enter temperature in Fahrenheit: 98
Celsius: 36.67